

INTERNATIONAL SEARCH REPORT

onal Application No
PCT/US2004/017340

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N21/27

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 816 829 A (HUTCHINSON TECHNOLOGY)	19,20
Y	7 January 1998 (1998-01-07) page 7, line 6 - line 8 page 7, line 20 - line 24 page 9, line 37 - line 44 page 10, line 5 - line 12 page 13, line 18 - line 23 page 14, line 18 - line 20 page 14, line 46 - line 52 figure 15 ----- -/-	1-18,21, 22

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

1 November 2004

Date of mailing of the international search report

11/11/2004

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PCT/JP2004/017340

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 02/14793 A (DIETIKER THOMAS ; ELEKON IND INC (US)) 21 February 2002 (2002-02-21) page 2, last paragraph page 6, paragraph 1 page 7, paragraphs 2,4 page 10, paragraph 3 figures 4B,9</p>	1-18,21,22
X	<p>WO 01/73405 A (HUTCHISON JAMES S ; UMM ELECTRONICS INC (US); RIEDEL RICHARD A (US)) 4 October 2001 (2001-10-04) page 5, line 8 - line 12 page 9, line 29 - page 10, line 17 page 10, line 27 - page 11, line 4 page 11, line 14 - line 20 figures 1A,3</p>	19,20
A	<p>US 6 201 607 B1 (PAOLINI GREGORY P ET AL) 13 March 2001 (2001-03-13) column 2, line 21 - line 40 figures 1-3</p>	1-22
A	<p>EP 0 653 622 A (FUJI PHOTO FILM CO LTD) 17 May 1995 (1995-05-17) abstract page 2, line 30 - line 47 page 6, line 35 - page 8, line 47 figure 1</p>	1-22

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